



Our Home, our Country, and our Brother Man.

## ORCHARD GRASS.

It may be a little late in the season to sow grasses now, but it is never too late to obtain knowledge which may be of service in the future. With this view we would call the attention of our readers to a grass which we think should receive more cultivation and care in Maine than it has hitherto received. We refer to the Orchard Grass, a cut of which we here give you.



a—Orchard Grass. b—a spikelet magnified.

bushes on an acre with barley or other spring grain." Some recommend as much as three bushels per acre.

Mr. EDITOR:—Will you, or some of your subscribers, give us some instruction in making stone underdrains, (we have no tiles,) between this and fall? One piece that I want to drain is a swamp with a clay subsoil, and the rest is gravel. Please give us the distance apart and the depth, so as to make a thorough job.

What is the best kind of hand-root-cutter, and the price?

M. S.  
Lower Coverdale, N. B., June 11, 1860.

NOTE. There are two modes of making stone drains. One is the making a small passage, or culvert, by laying stone along at the bottom and sides of the ditch about three or four inches apart and as many inches high, or higher if you please; then cover over with stone up to where it will just clear the plow when you wish to plow over it, and then covering over with soil. Flat stones at the bottom will be most convenient in this mode, but they are not absolutely necessary.

This insect, though comparatively new here, is a very old enemy in England, where, however, by care and attention, it has been so far destroyed that it now does but little injury. Such will, we hope and believe, be the case in this country.

For the Maine Farmer.

WAYSIDE NOTES OF TRAVEL—NO. 29.

PATEN, June 15th.

After a rain which has abundantly watered the earth, the weather is of summer suiteness, and vegetation is putting on its summer appearance. Everything which the farmer has planted or sown in this vicinity promises an abundant harvest. Grain of every description never looked better; corn, potatoes, and every description of root crop is unusually promising, and grass is as good as any one can wish. There never was a better spring for clearing land and putting in crops, than the past has been, and the farmers have all improved the opportunity. Unless some unforeseen misfortune occurs, more will be raised in this vicinity than ever before.

The other mode, is by making what is called the French drain. This is done by digging a pretty good sized ditch and dumping in round stones up to the height above named, and then covering over with soil. Flat stones at the bottom will be most convenient in this mode, but they are not absolutely necessary.

We learn from a paragraph in the *Ohio Farmer*, communicated to that paper by Prof. Kirkland, that a Mr. J. N. Hoag, in California, has successfully manufactured this species of comb and introduced it to his bees with manifest advantage.

It is done by melting down pure beeswax, which is then run into moulds to make it thin and smooth, like window glass. When cooled, it is stamped, or embossed, into the exact shape of the partition which separates the double rows of cells in the comb.

"He does not make the entire comb, but merely the groundwork, and it is done in such perfection that when placed in the hive the bees accept it as their own work and erect their six-sided cells upon it with the utmost alacrity."

For the Maine Farmer.  
GEOLOGICAL SURVEY.

I wish to make a few inquiries of the Editor of the *Farmer*, relating to the Geological Survey of this State, which was commenced and partly completed by Dr. Charles T. Jackson; and by answering the following queries, you will greatly oblige me, and perhaps other of your readers:

1. What time was the survey commenced, and what amount was appropriated for the purpose of carrying it on?

2. How many annual reports were published, and can they be had now?

3. What was the difference between the survey of this State by Dr. Jackson, and the survey of the *Public Lands* in this State and Massachusetts, by the same gentleman. I think I have seen two separate reports of the above surveys printed by authority of this State.

A SUBSCRIBER.

NOR. 1. The survey commenced in 1836 and continued through that year and 1837-8. It was then cut off because of the heavy expenses and liabilities which the State incurred on account of the "Aroostook war." In 1836, \$5,000 were appropriated; in 1837, \$3,000; in 1838, \$5,000; in 1839, \$1,000—making in all \$14,000 appropriated for the survey.

2. Three annual reports, and also an additional report respecting the public lands. They are now out of print and cannot be had.

3. No difference. We believe Massachusetts paid something toward the expense of that part of the survey.—Ed.

For the Maine Farmer.  
BETTER STEEL.

Mr. EDITOR:—As I see you chronicle the yield of a good cow in Albion at 43 lbs. 10 oz. in a day, (by the way, this mode of weighing milk is far more satisfactory than measuring; as quartz, according to my observation, vary not a little in their dimensions, besides being partly filled with froth,) I thought to inquire if this ought to be considered a remarkable yield? If I am not much mistaken, Maine farmers have sadly neglected dairy property in their cows, and seem to often content with miserably unprofitable animals. There is plenty of room for reform in this respect, and no lack of opportunity, if only attention be paid and proper means be used. I have a snugly built, pure bred Ayrshire cow, (the Ayrshires are recognized the world over as uniformly good milkers,) 5 years old, girtling 5 feet 5 inches, and weighed, the other day, 814 lbs., which dropped her fourth calf six weeks ago, and for the past month has given daily from 46 to 49 lbs. of rich milk. For more than two months she has had one acre of tolerable pasture and no other food. Now pray tell me, as the value of a cow depends not so much on the amount of milk alone, as upon its amount, quality and cost together, what is the actual value of such a cow compared with the average of the milking cows in the State?

Yours, truly, S. L. G.  
Saco, June 23, 1860.

For the Maine Farmer.  
TURKEYS.

Mr. EDITOR:—Will you please to give your opinion as to the best and easiest manner of raising turkeys, and you will oblige

A SUBSCRIBER.

NOTE. We have several times given pretty full directions for raising turkeys. Will some of our readers furnish a "Subscriber" with their experience in the art of raising this very essential of Thanksgiving dinners?

We have found a benefit to the health of young turkeys by mixing their meal for dough with water in which *Aspergillus* was dissolved. During the present spring, some young turkeys that we had were found to droop and stand balancing themselves awhile and then die. On examining them, nothing was found that would indicate disease—no food was found in their crops or gizzards. We concluded that they first, from some cause, lost their appetites, and finally starved to death. The others so taken, were given a little old-fashioned milk punch, (not enough to get them drunk,) when they soon recovered their appetite and made a live of it. We suppose the stimulus was what roused them into action again.—Ed.

Last year we had a number of currant bushes that were entirely denuded of leaves in June by the caterpillars. We removed them while in this state to another part of the garden, thinking that they might escape the second brood of caterpillars. The bushes all lived and did well, putting out new leaves, and escaped the caterpillars.

They are now, however, nearly as much infested with caterpillars as those not removed. We examine the bushes every morning, removing all the caterpillars as

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"A Poor Cripple" will take a lemon, cut off a piece, then nick it so as to let in the toe with the corn, the pulp next to the corn—tie this on tight so that it cannot move—he will feed next morning that, with a blunt knife, the corn will come away to a great extent. Two or three applications of this will make "A Poor Cripple" happy for life; and I should be glad to hear the result.—London Field.

—London Field.



# THE MAINE FARMER: AN AGRICULTURAL

## FOREIGN NEWS.

**THE ARCTIC EXPEDITION.** On Saturday next Dr. Isaac J. Hayes's expedition to the polar sea will sail out from the port of Boston, for the purpose of completing the survey of the northern coast of Grinnell Land, "to determine important questions relative to the magnetism, the physical geography, the natural history, and the general physics of the region explored by the north of Smith Sound." The doctor will be accompanied by several of his former companions. He will proceed direct to the coast of Greenland, possibly touching at St. Johns. On arriving on the coast of Greenland, the expedition will stop at Upernivik, the most northern outport of civilization, to procure dogs and furs. They will then proceed southward about the 25th of July, and will reach Smith Sound on the 1st of August. The remainder of the season, until the 10th of September, will be occupied in reaching a secure winter harbor on the west coast of Smith Strait. In the spring they will proceed northward, with the boats on sledges drawn by the Esquimaux dogs, the vessel being left in charge of one half of the crew. The exploring party will be reduced during the winter. Dr. Hayes will be accompanied by the Prussian Explorers at Baffin, attracted attention. The Prussian Explorers will be there the 14th, and Napoleon the next day. It is reported that the King of Saxony, Hanover, Bavaria, and Wurtemburg and other German Princes join the Conference, and there are various speculations as to the cause and effect of the meeting, but nothing authentic.

G. P. R. James, the novelist, is dead.

**Arrival of the Great Eastern.** The long expected steamer Great Eastern arrived at New York on Thursday, June 28th having sailed from Southampton on the 17th. Her arrival was anticipated by the Europa which arrived on the 26th.

**FIRE AT LARSEN.** The steamships Anglo-Saxon and Adriatic arrived July 1, with the crew of the Larp. The crew of the Anglo-Saxon, C. H. Leman were passengers in the Adriatic. Thirty-six villages was reported burned on Mount Lebanon. Garibaldi was actively organizing his army. Advice from Rome give details of the capture of two of Garibaldi's steamers by the Neapolitan frigate, Fuminote.

The steamer which displayed the Sardinian and American flags had a load 23,000 tons, and 2000,000 passengers, and was now in a considerable sum of money. 800 armed passengers were made prisoners and were together with the steamer conveyed to Gaeta on the 12th. General Lamorice had despatched troops to the Neapolitan frontier.

Letters from Palermo to the 8th estimate the force of Garibaldi at 4000. Garibaldi had opened a national subscription in behalf of the war. The Archibald and all the noble families in Sicily had subscribed.

**ANOTHER TESTIMONY FOR AROOSTOOK.** We are pleased to copy from the Bangor *Times* to copy of a private letter, under date of the 17th of June, from an agricultural gentleman, a member of the last Legislature, who is now on business in the Aroostook country, to a friend in this city:

"I have seen enough of Aroostook county to satisfy me that it is susceptible of being made the garden of Maine. I saw nothing that attracted my attention favorably in the shape of land until I got away from there to Friesland. Like my excitement increased, and I became undecided where I should settle, if I were intending to move to this country, which I should certainly do if I could sell what I have for a fair price. As to the land, one need hesitate as to its quality, for it is good enough for any man to lie on, or to be buried on, if dead. I pretend to know something of what pertains to good soil, and I am satisfied that I have seen nothing in Maine that surpasses the soil of Aroostook."

**MAG. ORMEY'S BODY.** The body of Major Ormey's was found on the battle ground.

Some twenty other bodies besides Major Ormey's have been recovered and buried with military honors.

A dispatch from the Indian country, received in this city on Sunday, 3d inst., states that a company that had started from Carson to go to Pike's Peak, had returned, after going two hundred miles and avenged agents throughout the State.

Major Ormey's body was found on the battle ground.

The Great Central Active Principle of the *Tolu Androgyne* is a true development of the original natural principle of the *Principia Naturalia*.

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